**Overview**

In this assignment, you'll kickstart your journey into advanced chatbot development. Your goal is to prepare your development environment, revisit Python essentials, and lay the foundation for integrating machine learning and databases into your chatbots. Here is a breakdown of the tasks.

* **Environment Setup:** Be sure to update the database you developed in ITEC5020 with the necessary tools and libraries including Python, TensorFlow, and MySQL.
* **Python Review:** Revisit Python basics, focusing on essential concepts like variables, data types, and control structures.
* **Database Fundamentals:** Brush up on the fundamentals of databases, including tables, records, and SQL queries. Familiarize yourself with how databases store and retrieve data.
* **Project Planning:** Begin outlining your chatbot project. What type of chatbot do you want to create, and what capabilities will it have? Think about potential use cases and interactions.

By the end of this week, you should have a well-prepared development environment, a clear project idea, and a solid Python foundation to build upon.

**Assignment Instructions**

**Task:** Install Python, TensorFlow, and any required dependencies on your development environment if you haven't already.

1. Create a virtual environment for your chatbot project.
2. Install TensorFlow and any necessary libraries.
3. Write a Python script that prints "Hello, Chatbot!" to ensure your environment is set up correctly.
4. See the [ITEC5025 Week 6 Assignment Instructions [PDF]](https://courseroom.capella.edu/courses/27741/files/4395306/download) to: **Use SQL Script to input values into SQL table to add more responses to chatbot.**
5. Writes code that is well-organized and includes clear, concise comments explaining its purpose.
6. Writes code that is free from error and handles basic errors gracefully.
7. Place your files in a .zip archive for submission to this assignment.